

Metadata on Crown Measurements for Alaska NPS FFI Datasets with Individual Tree Protocol

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Since there are no clear definitions of many of the crown measurement fields for the Tree Measurement Protocol within the FFI user guide, we have developed the use of the following fields for our data collection methods for Alaska NPS fire ecology projects within FFI (see Table 1).

IMPORTANT TO NOTE: FFI lists all of these fields with Meter as the unit, most of the Alaska NPS data sets are entered as Centimeters. There are a few projects that have the crown measurement field entered in meters or use the fields slightly different than what is shown in table 1 below. These projects are identified in table 2 below.

Table 1. Cross-walk of FFI field names and units to data collection methods for most NPS Alaska fire ecology projects in FFI.

Field Name FFI	AKR Field Name on Datasheets	AKR Field data collection definitions	FFI Units listed	AKR Units in FFI*
Crown Radius	Crown Radius	Measure the crown radius in centimeters to the average widest branch or drip-line of the crown.	m	cm
Live Crown Base Height (m)	Main Crown Base Height (cm)	Main live crown – measure the height in centimeters from the forest floor to the obvious main live crown.	m	cm
Crown Fuel Base Height (m)	Height to Dead Ladder Fuel (cm)	Measure the height in centimeters from the forest floor to the lowest point of dead branches.	m	cm
Ladder Fuel Base Height (m)	Ht to Live Ladder Fuel (cm)	Measure the height in centimeters from the forest floor to the lowest point of live branches.	m	cm

* See table below for projects that have data entered in meters or other variations of field uses.

Table 2. Variations of FFI data entry for INDIVIDUAL TREE protocol for Alaska NPS databases. Status as of 2/27/2013

Database	Project Unit	Unit Data Entered In				Other Comments
		CrwnRad	CFBHt	LCBHt	LFBHt	
AKWEST	DENA-VDM	<i>m</i>	<i>m*</i>	<i>m</i>	<i>m</i>	*Crown Fuel Base Ht data (or dead ladder fuel heights) are entered in the Ladder Mx. Ht. field in FFI.
AKRO	YUCH-WDC-PPF	cm	cm	cm	cm	
AKRO	WRST-MUS-HZF	cm	cm	cm	cm	Some fields have null values, these were not measured or were not present on the tree.

AKRO	WRST-Chakina-Fire-Effects	cm	cm	cm	cm	Some fields have null values, these were not measured or were not present on the tree.
AKRO	WRST-HQ-HZF	cm	cm	cm	cm	Some fields have null values, these were not measured or were not present on the tree.